

	Elog JLAB as deployed at SLAC	WebLog(FNAL TD)	SNS E-log	FNAL AD Elog	HepBook	LHC Product	DESY-IHEP Elogbook	PSI Elog	
Reporter:	Janice	Claude	Claude	Wally	Rob		Claude	Rob	
Status:				Architecture weak but strong fanbase.			Low rated. Probably out of the running.	Out of the running.	
Language	PHP, HTML, Javascript,PERL,tcl	Java (JSP and Servlets)	Java 1.4.2 with Apple WebObjects 5.3.1 frameworks including EOF object-oriented database wrapper.	Perl, HTML, Javascript	Java		Java + servlets. No JSP.	C	
Database	Oracle	Postgres	Oracle	Flat files	FirstSQL. Bundled with product.		Oracle for content. MySQL for usage stats	?	
DB changeable?	mySQL possible. Will be a lot of work.	JDBC. Should be changeable. Not tested.	It can easily be changed.	N/A	Probably since it uses a standard protocol. But never tried.		No	?	
What is in DB?	Pieces of text and pointers to attachments.	Entries + config. Attachments are files.	All data. Entire entries including text images and attachments. Notifications, acknowledgements and subscriptions. User bookmark settings. Rules (eg logbooks, categories, call down lists). Integrates with existing tables to access user info and other relationships.	Entries. Index of all entries.	Meta-data about entries.		all content, text and graphics.	?	
Format for entries	Text in db. All graphics to PNG.Guess others as files.	Text. No blobs.	Plain text and HTML for styled entries. Images and attachments in their native binary format.	Text(HTML), native object formats.	As files in the file system. Both XML and HTML, like CRL.		text and blobs	?	
Security	In house list. AFS authentication for log.	Unknown.	ORNL UCAMS password login, SSL, encrypted sessions, Certificates.	.htaccess for offsite read access. Perl module for offsite write access (after you pass the .htaccess). Groups possible.	Username/password. .htaccess-like security on nodes in file system. SSL for traffic from GUI. No SSL for programmatic entry.		unknown		
Deployment	User side is web app. Call Theo for source.	Linux and Windows(dev only).	Jboss application server running on Solaris.		Turn key system. They install it or we could use their server.		WAR file on Tomcat. Linux. Badly documented.	A single file of 25K lines.	
How many years in use	2.5 years at SLAC. JLAB??	Brand new. Good online docs.	Current version 3.0.2 has been around for 4 years	8 years	New. Being used by Suichi and a few others in CMS. Suichi would like to use it for CMS testbeam this summer.		New. Just an install readme file.		
Last release	1 month ago	Within last year	Last major release Feb 2005.	August 2004.	December 2005. Last major release.		unknown		
Releases in last year	6. All feature adds, not bug fix.	2. beta and 1.0	Two minor releases in last year, for usability improvements.	Minor tweaks since then	Lots of development releases since then.		unknown		
How to configure?	"Very easy" to change lots of things. This means modifying source, not config files.	Via db - filters, categories, users etc	User config via persistent bookmarks. More coming in future releases. Management via web based db tools for configuring logbooks, categories, user associations and other rules.	Configurable by the perl programmer.	Authenticate as superuser and use GUI to add notebooks, users, categories, change privs, protections ...		One installation can do multiple logbooks.		
backup?	db backup.	DB back and file system backup	Daily backups of db include logbook entries.	File system backup.	File system backup.		?? Db backup??		
Open source	Yes. Via owner.	Yes	Yes for Elog proper. No for WebObjects.	Yes	No. But some (or all?) source may be available to FNAL; not yet resolved.		open		
License and costs	No/No (what about oracle???)	No/No	WebObjects deployment is free on any Macintosh. Your can purchase a license to deplot on other platforms (was \$699 to ORNL. Contact Apple for current pricing).	No/no except the spellchecker	Yes. For HepBook itself: "very reasonable" for HEP users. There will be fees for maintenance and extensions; details to be negotiated. For FirstSQL fee is one time \$4. for HEP users (yes, \$4.)		no/no		
Platform independent?	Source yes. Config platform specific.		Yes (except for the license).		Has run server on Windows and Linux. Should be Ok on "nix; acess with any browser.				
Indexing and Searching	Indexed DB fields, entry text and title are all searchable. Attachments not searchable. Index maker is run periodically.	DB Query + search on entry text. Not attachments. Search is not indexed.	Searching all info in db. Executed as a db search. Not indexed. Results can be sorted in various ways.	Simple search of flat files by Perl	Lucene to index metadata and entries, not attachments. Attachments coming soon.		All db indexed. Not attachments		
Programmatic access	yes. Via tmp xml.	API from JAVA and C.	Yes through SQL directly to the db.	Some.	Yes. Listens for XML on port 80. No SSL yet, but coming.		Email only.		
Code mgt system?									
Notebook/logbook				Now used as logbook. Could be used as notebook but we need to understand the effort.					
Certificates Possible?				At system/server level.					
Lucene possible?				Yes. Perl API exists.					
Miscellaneous	All entries are entered via tmp XML files that are swept into Oracle every few minutes. True for entries made by GUI and those made programmatically.	Configuable via alerting emails.	Entries are unchangeable but can have a thread of comments. Required reading may enabled or disabled by operations management.	Update indicator.	They started to work on ACL style groups. "80% complete". Rejected by CMS in favour of group accounts and .htaccess.		Documentation is very poor.	Hangs repeatedly for Miniboone.	
	This has the nice benefit that one may make entries even when Oracle is down.	Self updating view.	Multiple log books can be created from one deployment. Users can be granted access to each independently.	Entry preview.	Need to reauthenticate when switching notebooks.		HTML is in servlets.	No longer used by Miniboone.	
	Initial installation at SLAC was hard, more than one month.	Configurable custom view filters.	Next release on its with with features like: more powerful user filters, saved search criteria, save draft entry prior to commit. Managers will be able to design custom forms for users to fill out. Support for html editing for styled entries.	Link to any entry in any elog on the same server.	Figures and automatically thumbnailed. Smarts on server side.		Overall impression is too immature.	Code is difficult to follow.	
	After initial deployment, it has been easy, < 1 hour, to add new entries. However you need to know the magic multistep receipe.	Short,long,thread views.		Cut and paste cookie.	Designed to be used as both notebook and logbook.				
	Currently 15 logbooks deployed using this technology.	Spellchecker		Custom modules for proprietry forms/tables(end of shift summary crew rosters).					
	Stated effort for installation and maintenance does not include Oracle support.	Hyperlinks to other entries		Selectable image loading for low b/w connections.					
	At first we thought that Perl is restricted to sweeping in the XML files; Janice now thinks its more.	entry preview		Color reversal for printing.					
	User interface allows searching on: *Start date/end date *logbook (can click mutiple boxes) *area (parts of the machine you can associate with an entry - injector, linac, etc) *entry type - a type-in form (start of shift info) or not *source - auto entry or user entry *search by event time or log time *title/text *username *shift - current, last shift, last 2 shifts, last 3 shifts.	Multiple logbooks may be driven from one installation.		Memopad window for commonly used links.					
		Entries are immutable but it supports threads of comments.		Parameter window. ACNET example: user bookmarkable access to favorite devices, their help files and datalogger data.					
				Selectable image loading for low b/w connections.					
				Security: outside lab firewall requires password. Inside does not. Is this for reading or only for creating entries?					
Questions:									
	We need clarification about what it means to be easy to configure. Does this mean config files or changing the source.								